SEQUENCE LISTING

(1) GENERAL INFORMATION:

(i) APPLICANT: Virtanen, Jorma

(ii) TITLE OF INVENTION: Spatially Addressable, Cleavable Reflective Signal Elements, Assay Device and Method

(iii) NUMBER OF SEQUENCES: 13

(iv) CORRESPONDENCE ADDRESS:
(A) ADDRESSEE: Oppenheimer Wolff & Donnelly LLP
(B) STREET: 2029 Century Park East, Suite 3800
(C) CITY: Los Angeles
(D) STATE: California
(E) COUNTRY: USA
(F) ZIP: 90067

(v) COMPUTER READABLE FORM:
(A) MEDIUM TYPE: Floppy Disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: Microsoft Windows 98
(D) SOFTWARE: MS Word

(vi) CURRENT APPLICATION DATA:
(A) APPLICATION NUMBER:
(B) FILING DATE:
(C) CLASSIFICATION: 435

(vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: 09/419,407
(B) FILING DATE: October 15, 1999
(A) APPLICATION NUMBER: 09/394,137
(B) FILING DATE: September 10, 1999
(A) APPLICATION NUMBER: 08/888,935
(B) FILING DATE: July 7, 1997
(A) APPLICATION NUMBER: 60/030,416
(B) FILING DATE: November 1, 1996
(A) APPLICATION NUMBER: 60/021,367
(B) FILING DATE: July 8, 1996

(viii) ATTORNEY/AGENT INFORMATION:
(A) NAME: Oldenkamp, David J.
(B) REGISTRATION NUMBER: 29,421
(C) REFERENCE/DOCKET NUMBER: 18950-17-1

(ix) TELECOMMUNICATION INFORMATION:
(A) TELEPHONE: (310) 788-5000
(B) TELEFAX: (310) 788-5100

(2) INFORMATION FOR SEQ ID NO: 1:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 9
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single-stranded DNA
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: oligonucleotide

(ix) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

CGGGTGTGG 9

(2) INFORMATION FOR SEQ ID NO: 2:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 9
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single-stranded DNA
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: oligonucleotide

(ix) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

CGGGTGTGA 9

(2) INFORMATION FOR SEQ ID NO: 3:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 9
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single-stranded DNA
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: oligonucleotide

(ix) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

CGGGTGTGC 9

(2) INFORMATION FOR SEQ ID NO: 4:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 9
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single-stranded DNA
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: oligonucleotide

(ix) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

CGGGTGTGT 9

(2) INFORMATION FOR SEQ ID NO: 5:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 9
(B) TYPE: nucleic acid

(C) STRANDEDNESS: single-stranded DNA
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: oligonucleotide

(ix) SEQUENCE DESCRIPTION: SEQ ID NO: 5:

CGGCCGCGG 9

(2) INFORMATION FOR SEQ ID NO: 6:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 18
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single-stranded DNA
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: oligonucleotide

(ix) SEQUENCE DESCRIPTION: SEQ ID NO: 6:

GCCCACACCG CCGGCGCC 18

(2) INFORMATION FOR SEQ ID NO: 7:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 18
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single-stranded DNA
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: oligonucleotide

(ix) SEQUENCE DESCRIPTION: SEQ ID NO: 7:

GCCCACACTG CCGGCGCC 18

(2) INFORMATION FOR SEQ ID NO: 8:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 18
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single-stranded DNA
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: oligonucleotide

(ix) SEQUENCE DESCRIPTION: SEQ ID NO: 8:

GCCCACACGG CCGGCGCC 18

(2) INFORMATION FOR SEQ ID NO: 9:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 16
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single-stranded DNA

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: oligonucleotide

(ix) SEQUENCE DESCRIPTION: SEQ ID NO: 9:

GCCCACAGCC GGCGCC 16

(2) INFORMATION FOR SEQ ID NO: 10:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 33
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single-stranded DNA
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: oligonucleotide

(ix) SEQUENCE DESCRIPTION: SEQ ID NO: 10:

TGAGACACCA GGAATTAGAT ATCAGTACAA TGT 33

(2) INFORMATION FOR SEQ ID NO: 11:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 33
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single-stranded DNA
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: oligonucleotide

(ix) SEQUENCE DESCRIPTION: SEQ ID NO: 11:

CTAAATCAGA TCCTACATAT AAGTCATCCA TGT 33

(2) INFORMATION FOR SEQ ID NO: 12:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 15
(B) TYPE: nucleic acid
(C) STRANDEDNESS: ~single-stranded DNA
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: oligonucleotide

(ix) SEQUENCE DESCRIPTION: SEQ ID NO: 12:

TAGATATCAG TACAA 15

(2) INFORMATION FOR SEQ ID NO: 13:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 15
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single-stranded DNA
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: oligonucleotide

(ix) SEQUENCE DESCRIPTION: SEQ ID NO: 13:

TATTCAGTAG GTACA 15